

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| L1    | 7004 | ((370/349) or (455/450)).CCLS.                            | US-PGPUB;<br>USPAT   | OR               | OFF     | 2011/12/01<br>18:38 |
| L2    | 4    | 1 and (preamble same bandwidth same ranging same station) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/01<br>18:39 |
| L3    | 0    | 2 and (@rlad<"20031029" or @ad<"20031029")                | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/01<br>18:39 |
| L5    | 7100 | ((370/349) or (455/450,451,452.1,452.2)).CCLS.            | US-PGPUB;<br>USPAT   | OR               | OFF     | 2011/12/01<br>18:47 |
| L6    | 4    | 5 and (preamble same bandwidth same ranging same station) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/01<br>18:47 |
| L7    | 0    | 6 and (@rlad<"20031029" or @ad<"20031029")                | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/01<br>18:47 |
| L8    | 9218 | ((370/349) or (455/450,451,452.1,452.2)).CCLS.            | US-PGPUB;<br>USPAT   | OR               | OFF     | 2011/12/01<br>18:48 |
| L9    | 4    | 8 and (preamble same bandwidth same ranging same station) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/01<br>18:48 |
| L10   | 0    | 9 and (@rlad<"20031029" or @ad<"20031029")                | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2011/12/01<br>18:48 |
| S3    | 1    | 10/578114   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/09/01<br>16:04 |
| S4    | 54   | ((CHUL-SIK) near2 (YOON)).INV.                            | US-PGPUB;  | ADJ              | ON      | 2010/09/01          |

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|     |      |  | USPAT;<br>USOCR  |     |     | 16:12               |
| S5  | 20   | ((QIANG-WAHN) near2 (YU)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR                                     | ADJ | ON  | 2010/09/01<br>16:13 |
| S6  | 17   | ((KUN-MIN) near2 (YEO)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR                                     | ADJ | ON  | 2010/09/01<br>16:14 |
| S7  | 54   | ((BYUNG-HAN) near2 (RYU)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR                                     | ADJ | ON  | 2010/09/01<br>16:14 |
| S8  | 2167 | (370/349).CCLS.  | US-PGPUB;<br>USPAT   | OR  | OFF | 2010/09/01<br>18:46 |
| S9  | 110  | S4 or S5 or S6 or S7   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>18:46 |
| S10 | 1    | S9 and (preamble same bandwidth same internet same station).clm.   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>18:47 |
| S11 | 0    | S8 and (preamble same bandwidth same internet same station).clm.   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>18:48 |
| S12 | 0    | S8 and (preamble same bandwidth same internet same station)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>18:48 |
| S13 | 1    | S9 and (preamble same bandwidth same internet same station)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>18:48 |
| S14 | 2    | (preamble\$based with bandwidth with request)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>18:49 |
| S15 | 0    | S14 and (@riac<"20031029" or @ad<"20031029")   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>18:50 |
| S16 | 2    | (bandwidth near2 request near2 code) same (state near2 control) same ((assign\$3 or allocat\$3) near2 (bandwidth or resource or channel or frequency or time\$slot)) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;            | ADJ | ON  | 2010/09/01<br>18:59 |

|     |     |   | IBM_TDB  |     |    |                     |
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| S17 | 0   | S16 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>18:59 |
| S18 | 109 | (bandwidth near2 request near2 code) same ((assign\$3 or allocat\$3) near2 (bandwidth or resource or channel or frequency or time\$slot)) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>19:00 |
| S19 | 2   | S18 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>19:01 |
| S20 | 2   | ("20030198179").PN.   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>19:14 |
| S21 | 2   | (grant per connection (GPC) or grand per SS (GPSS))   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>19:52 |
| S22 | 2   | (grant per connection (GPC) or grant per SS (GPSS))   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>19:52 |
| S23 | 191 | bandwidth with request with (subscriber near stations)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>22:05 |
| S24 | 119 | (receiv\$3 or transmit\$4 or send\$3) with bandwidth with request with (subscriber near stations)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>22:06 |
| S25 | 16  | S24 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/01<br>22:06 |
| S26 | 11  | 10/014951   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;            | ADJ | ON | 2010/09/01<br>22:15 |

|     |     |   | IBM_TDB  |     |     |                     |
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| S27 | 9   | (receiv\$3 or transmit\$4 or send\$3) with (state adj2 control) with (subscriber near stations)             | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>22:32 |
| S28 | 9   | (receiv\$3 or transmit\$4 or send\$3) with (state adj2 control) with (subscriber near station)              | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>22:32 |
| S29 | 119 | (receiv\$3 or transmit\$4 or send\$3) with bandwidth with request with (subscriber near station)            | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>22:32 |
| S30 | 5   | S28 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>22:32 |
| S31 | 360 | (receiv\$3 or transmit\$4 or send\$3) with ranging with ((subscriber adj2 station) or SS)                   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2010/09/01<br>22:34 |
| S32 | 298 | (receiv\$3 or transmit\$4 or send\$3) with ranging with (subscriber adj2 station)                           | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2010/09/01<br>22:34 |
| S33 | 145 | (base station) with (receiv\$3 or transmit\$4 or send\$3) with ranging with (subscriber adj2 station)       | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2010/09/01<br>22:34 |
| S34 | 9   | S33 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2010/09/01<br>22:35 |
| S35 | 54  | (base station) with (transmit\$4 or send\$3) with (tim\$4 or sync) with power with(subscriber adj2 station) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2010/09/01<br>22:39 |
| S36 | 20  | S35 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;            | ADJ | ON  | 2010/09/01<br>22:39 |

|     |     |   | IBM_TDB  |     |    |                     |
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| S37 | 1   | (temp\$6 adj2 (connection or communication or path) adj2 identif\$4) with bandwidth   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:46 |
| S38 | 3   | (temp\$6 adj2 (connection or communication or path) adj2 identif\$4) with (bandwidth or resource or channel or frequency) with (allocat\$4 or schedul\$3 or grant\$3 or reserv\$3)                                | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:48 |
| S39 | 0   | S38 and (@riad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:48 |
| S40 | 3   | (temp\$6 adj2 (connection or communication or path) adj2 (identif\$4 or id or code or flag or bit)) with (bandwidth or resource or channel or frequency) with (allocat\$4 or schedul\$3 or grant\$3 or reserv\$3) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:49 |
| S41 | 0   | S40 and (@riad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:49 |
| S42 | 11  | (temp\$6 near2 (connection or communication or path) near2(identif\$4 or id or code or flag or bit)) same(bandwidth or resource or channel or frequency) same (allocat\$4 or schedul\$3 or grant\$3 or reserv\$3) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:51 |
| S43 | 5   | S42 and (@riad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:51 |
| S44 | 317 | (temp\$6 near2 (connection or communication or path) near2(identif\$4 or id or code or flag or bit))  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:56 |
| S45 | 97  | (temp\$6 near2 (connection) near2(identif\$4 or id))  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:57 |
| S46 | 58  | S45 and (@riad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;            | ADJ | ON | 2010/09/02<br>16:58 |

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|     |     |   | IBM_TDB  |     |    |                     |
| S47 | 25  | (temp\$6 adj2 (connection) adj2 (identif\$4 or id))   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:58 |
| S48 | 17  | S47 and (@riad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>16:58 |
| S49 | 0   | 09/245751.pn.   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>17:04 |
| S50 | 2   | "09245751".pn.  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>17:04 |
| S51 | 1   | 09/245751   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>17:05 |
| S52 | 28  | (temp\$6 adj2 (connection) adj2 (identif\$4 or id or code or flag or mask\$3))  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>17:11 |
| S53 | 216 | (temp\$6 adj2 (connection or link or path or communication) adj2 (identif\$4 or id or code or flag or mask\$3))           | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>17:12 |
| S54 | 140 | S53 and (@riad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/09/02<br>17:12 |
| S55 | 27  | ((receiv\$3 or transmit\$4 or send\$3) with ((state adj2 control) or (tim\$3 near2 power)) with (bandwidth near2 request) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:10 |
| S57 | 7   | S55 and (@riad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;            | ADJ | ON | 2011/02/03<br>14:10 |

|     |     |   | IBM_TDB  |     |    |                     |
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| S58 | 124 | preamble with bandwidth with request  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:28 |
| S59 | 67  | S58 and (@riad<"20031029" or<br>@ad<"20031029")   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:28 |
| S60 | 87  | ((receiv\$3 or transmit\$4 or send\$3) same<br>((state adj2 control) or (tim\$3 near2<br>power)) same (bandwidth near2<br>request))   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:43 |
| S61 | 87  | ((receiv\$3 or transmit\$4 or send\$3) same<br>((state adj2 control) or (tim\$3 near2<br>power)) same (bandwidth near2 (request<br>or poll\$3))   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:44 |
| S62 | 34  | ((receiv\$3 or transmit\$4 or send\$3) same<br>((state adj2 control) or (tim\$3 near2<br>power)) same (bandwidth near2 (request<br>or poll\$3)) same ((channel or link) near2<br>(quality or state or condition)) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:45 |
| S63 | 0   | S62 and (@riad<"20031029" or<br>@ad<"20031029")   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:45 |
| S64 | 18  | S61 and (@riad<"20031029" or<br>@ad<"20031029")   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:45 |
| S65 | 0   | ((receiv\$3 or transmit\$4 or send\$3) same<br>(raging adj2 code) same (bandwidth<br>near2 (request or poll\$3)) same<br>((channel or link) near2 (quality or state<br>or condition))                             | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:51 |
| S66 | 6   | ((receiv\$3 or transmit\$4 or send\$3) same<br>(raging adj2 code) same (bandwidth<br>near2 (request or poll\$3))  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/02/03<br>14:52 |
| S67 | 0   | S66 and (@riad<"20031029" or<br>@ad<"20031029")   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;            | ADJ | ON | 2011/02/03<br>14:52 |

|     |    |   | IBM_TDB  |     |    |                     |
|-----|----|---|--|-----|----|---------------------|
| S68 | 2  | (receiv\$3 or transmit\$4 or send\$3) with (ranging response or rng\$res) with ((state adj2 control) or (tim\$3 near2 power)) with (bandwidth near2 request)                          | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:02 |
| S69 | 0  | S68 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:02 |
| S70 | 10 | (receiv\$3 or transmit\$4 or send\$3) same (ranging response or rng\$res) same ((state adj2 control) or (tim\$3 near2 power)) same (bandwidth near2 request)                          | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:03 |
| S71 | 2  | S70 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:03 |
| S72 | 3  | (second\$4 or another) same (ranging response or rng\$res) same ((state adj2 control) or (tim\$3 near2 power)) same (bandwidth near2 request)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:04 |
| S73 | 0  | S72 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:05 |
| S74 | 13 | (receiv\$3 or transmit\$4 or send\$3) same (ranging response or rng\$res) same ((state adj2 control) or (tim\$3 near2 power)) same ((bandwidth or channel or resource) near2 request) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:05 |
| S75 | 2  | S74 and (@rlad<"20031029" or @ad<"20031029")  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/12/01<br>18:06 |

**EAST Search History (Interference)**

&lt; This search history is empty&gt;

**12/ 1/ 2011 6:49:13 PM****C:\Users\mbatista\Documents\EAST\Workspaces\10578114 METHOD FOR PREAMBLE-BASED BANDWIDTH REQUEST IN WIRELESS PORTABLE INTERNET SYSTEM.wsp**